PATENT SPECIFICATION

Application Date: Nov. 8, 1922. No. 30,519/22. **211,194**

Complete Left: July 31, 1923.

Complete Accepted: Feb. 8, 1924.

PROVISIONAL SPECIFICATION.

Improvements in and relating to Garment and like Fasteners.

I, CHARLES JOHN CUTCLIFFE WRIGHT HYNE, of Heaton Lodge, Bradford, Yorkshire, Novelist, a British subject, do hereby declare the nature of this invention to be as follows:—

This invention relates to improvements in garment or like fastening devices.

The nature of the invention is a two part fastening device which I call a "hitch button" to be used in lieu of the known press or push button which is used to fasten garments, gloves, motor car hoods, and the like.

The usual type of press button comprising a shank adapted to enter a dome shaped fitting is subject to many disadvantages in that the parts may work apart when they should remain coupled. They may be hard to separate when so desired. They are easily damaged more especially when passed through laundering machinery.

It is therefore my object to arrange and construct a two part "hitch button" which will not be subject to the above disadvantages, and to this end, to carry out my invention I construct the device in two main portions, one of which will be fastened to one part of the garment or the like, and the other to another part.

The first part comprises a club shaped protuberance standing up from a base provided with attaching means to the fabric or like and is practically of the same form as that used with existing press buttons.

The second part comprises what I term a flattened casing having a base provided with attaching means to the garment, and a slightly upstanding cover of strong material or re-inforced by a somewhat U shaped piece of strong wire of suitable section, such as round. The casing will preferably be open to the front edge and the base will be provided with a shaped slot or aperture, such slot may be so shaped as to allow the first part to enter and be gripped, or a spring like device may be incorporated with the casing to have a securing effect for the first part, all so arranged as to hold the two parts together, and yet permit of easy separation.

To aid in a gripping effect the upper part of the casing may be bent slightly downwards to exert a pressure in the top of the protuberance of the first part either when in the fastened position or just prior to such position.

To fit together there will be a sliding action of one part in regard to the other. The first part being put into the second, either through the open front or into the aperture in the second part.

With a "hitch button" made of two parts as hereinbefore broadly described, collapse, due to the action of laundering machinery, will be prevented, whether the parts are separated or together. The parts may be easily brought together and easily separated and yet perform their holding function.

Dated this 7th day of November, 1922.

CLIVE WAUGH,
Chartered Patent Agent,
Sunbridge Chambers, Bradford, Yorks.

COMPLETE SPECIFICATION.

Improvements in and relating to Garment and like Fasteners.

I, CHARLES JOHN CUTCLIFFE WRIGHT HYNE, of Heaton Lodge, Bradford, Yorkshire, Novelist, a British subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

[Price 1/-]

This invention relates to improvements in garment or like fastening devices.

The nature of the invention is a two part fastening device which I call a "hitch button" or garment fastener, one part of which is reinforced against collapse under pressure to be used in lieu of the known press or push button which

is used to fasten garments, gloves, motor car hoods, and the like.

The usual type of press button comprising a shank adapted to enter or engage a dome shaped fitting with an opening or keyhole slot is subject to many disadvantages in that the parts may work apart when they should remain coupled although springs in or on one part have been provided to meet this defect. They may be hard to separate when so desired. They are easily damaged by collapse, more especially when passed through laundering machinery.

It is therefore my object to arrange and construct a two part "hitch button" or garment fastener which will not be subject to collapse under pressure, and to this end, to carry out my invention I construct the device in two main portions one of which will be fastened to one part of the garment or the like, and the other to another part, one part being reinforced by a solid wire the other part being of ordinary or known form.

In describing my invention in detail reference is made to the accompanying sheet of drawings in which:—

Fig. 1 represents a section to an enlarged scale of a suitable stud portion.

Fig. 2 represents a section to an enlarged scale of the flattened casing hereinafter referred to and is on line *a. b. of* Fig. 3, which represents a face view of the casing.

Fig. 4 represents a section of a modified form of casing on line *c. d.* of

Fig. 5 which represents a rear view.

To carry my invention into effect the first part of the device comprises a protuberance B standing up from a base B^1 provided with holes B^2 for attaching it to the fabric or the like and is practically of the same form as that used with existing press buttons.

The second part comprises what I term a flattened casing C having a base C^1 provided with holes C^2 for attaching it to the garment, and a slightly upstanding cover C^3 of strong material reinforced by a somewhat U shaped piece of strong wire C^4 of suitable section, such as round. The casing will preferably be open to the front edge & in the construction shewn in Figs. 2 and 3 closed to the rear by the wire C^4 and will be provided with a shaped slot or aperture C^5. Such slot may be so shaped as to allow the first part to enter and be gripped by the inclined side and the pressure of the base on the protuberance, or a spring like device may be incorporated with the casing to have a securing effect for the first part, all so arranged as to hold the two parts together, and yet permit of easy separation.

To aid in a gripping effect the back part of the casing may be bent slightly downwards as at C^6, Figs. 4 & 5, to exert a pressure on the top of the protuberance B of the first part either when in the fastened position or just prior to such position.

To fit the parts together there will be a sliding action of one part in regard to the other, the first part being moved into the second through the open front in the second part.

In Figs. 2 & 3 I have shewn a casing made from thin steel or the like bent to shape and suitably cut away. In this case the joining or overlap of the metal as shewn by the line J Fig. 3 will tend to give a spring grip or pressure on the stud B.

In Figs. 4 & 5 the casing is made from stamped or flattened tubing suitably formed and the wire C^4 will be secured by suitable means such as solder, one end of the flattened piece of tubing being flattened down solid.

With a "hitch button" made of two parts as hereinbefore described, flattening, due to the action of laundering machinery, will be prevented, whether the parts are separated or together. The parts may be easily brought together and easily separated and yet perform their holding function.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A garment fastener comprising two parts one being an ordinary strong stud portion and the other a casing having a shaped slot or aperture for reception of the stud, said casing being reinforced by a wire such as C^4 to prevent damage by laundering machinery, due to collapse under pressure substantially as described.

2. The arrangement, construction and combination of parts constituting the reinforced dress fastening device or socket, substantially as described and illustrated in Figs. 2 & 3.

3. The arrangement, construction and combination of parts constituting the reinforced dress fastening device or socket substantially as described and illustrated in Figs. 4 & 5.

Dated this 30th day of July, 1923.

CLIVE WAUGH,
Chartered Patent Agent,
Sunbridge Chambers, Bradford, Yorks.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1924.

[This Drawing is a reproduction of the Original on a reduced scale]

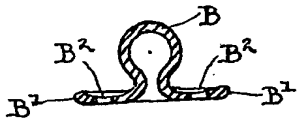

Fig. 1.

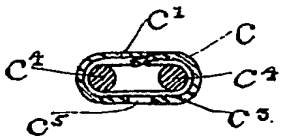

Fig. 2.

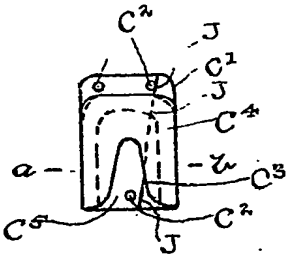

Fig. 3.

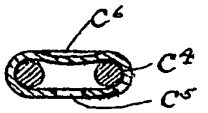

Fig. 4.

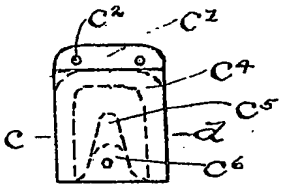

Fig. 5.

Malby&Sons, Photo-Litho